



## DEPARTMENT OF PHYSICS

1	Name	<b>Dr. M. SIVASUBRAMANIAN</b>		
2	Designation	Assistant Professor		
3	Qualification	M.Sc., M.Phil., Ph.D		
4	Age & DOB	47 & 05-03-1975		
5	Date of first appointment	29-07-2015		
6	Date of joining in govt. service	29-07-2015		
7	Teaching experience	22 Years		
8	Research experience (years)	18 Years		
9	Area of Research	Vibrational Spectroscopy		
10	Research Guidance (No)		M.Phil	Ph.D
		Guided	10	-
		Guiding	-	-
		Others	-	-
11	Research Papers(No) presented	4		
12	Papers Published(No)	7		
13	Major/Minor Projects	-		
14	Conference Participated	9		
15	Conference Organized	-		
16	Awards/Honours Received	-		
17	Extension Activities	-		
18	Administrative Position in College	-		
19	Membership in academic/professional bodies	-		
20	Others(relevant to academic activity)	1. Obtain University Eleventh Rank in M.Sc., Degree Examination. 2. Organized Regional Level Science Exhibition at PR College, Thanjavur.		
21	For Correspondence	Mobile No	7094872127	
		Email.id.	uitunna@gmail.com	

**EDUCATIONAL PROFILE :**

Sl. No.	Standard/ Degree	Board / University	Subject/ Major	Year of Passing	Medium of Study	% of Marks	Class
1	<b>Ph.D.</b>	Periyar University	Physics	2011	English	-	-
2	<b>M.Phil.</b>	Bharathidasan University	Physics	2002	English	75.80	I
3	<b>M.Sc.</b>	Bharathidasan University	Physics	1999	English	75.66	I
4	<b>B.Sc.</b>	Bharathidasan University	Physics	1997	English	66.27	I
5	<b>H.S.C</b>	Board of Higher Secondary Examination	Tamil, Eng, Phy, chem., Maths, Bio.	1994	English	64.33	I
6	<b>S.S.L.C</b>	Board of Secondary Education	Tamil, Eng, Maths, Sci, Social	1992	English	77.20	I

**TEACHING EXPERIENCE :**

Sl. No.	Institution	Position Held	Years
1	Rajah Serforj Government College (Autonomous), Thanjavur	Assistant Professor	Presently Working
2	Government Arts College (Autonomous), Kumbakonam	Assistant Professor	7 Years & 5 Months
3	Unnamalai Institute of Technology, Kovilpatti	Associate/ Assistant Professor	6 Year & 3 Months
4	Kongunadu College of Engineering and Technology, Thottiam	Lecturer	2 Years
5	Ponnaiyah Ramajayam college, Thanjavur	Lecturer	3 Years
6	Nav Bharat Matric. Hr. Sec. School, Thanjavur	P.G. Asst.	4 Years
	<b>Total Teaching Experience</b>		<b>22 Years</b>

**COMPUTER PROFICIENCY:**

**Course Completed : Office Automation**

## PAPER PUBLISHED:

- 1) Density functional theory study and vibrational analysis of FT-IR and FT-Raman spectra of N-hydroxyphthalimide, **Journal of Raman Spectroscopy**, 2009; 40(8), 987-991
- 2) Scaled Quantum Chemical Calculations and FT-IR, FT- Raman Spectral Analysis of 4-Hydroxy-3-Nitrocoumarin, **International Journal of Engineering Research & Technology**, 2012; 1(7), 987-991
- 3) Structural, Intermolecular interactions, Quantum Chemical calculations and molecular docking studies on 4 diethylaminosalicylaldehyde, **International journal of basic and applied research**, July 2019 Volume 9 Number 7 (Page 120 – 134).
- 4) Density functional theory calculations and Vibrational analysis of 6-nitroveratraldehyde and nitro substitutional effect of Veratraldehyde, **Aegaeum Journal**, Volume 8, Issue 6, 2020 (Page 183 – 190).
- 5) Growth, density functional theory Calculations and vibrational analysis of 4-diethylamino salicylaldehyde crystal, **Aegaeum Journal**, Volume 8, Issue 7, 2020, (Page 239 – 246).
- 6) Crystal structure analysis, Hirshfeld surface analysis, spectral investigations (FT-IR, FT-R), DFT calculations, ADMET studies and molecular docking of 3H-Methyl-1H-pyrazole-1-carboxamide (3MPC), **Journal of the Indian Chemical Society**, 2022; 99 (4), 100402.
- 7) Synthesis, X-ray Crystallography, Hirshfeld Surface Analysis, Spectral Analysis, and Molecular Docking Studies on (E)-2-(1-(4-Fluorophenyl) Ethylidene) Hydrazine Carbothioamide, **Journal of Scientific Research**, 2022; 14(2), 545-558

## PAPERS PRESENTED:

1. **Dynamics of Higher Dimensional nonlinear oscillator: Series, Parallel LCR circuit**, in *State Level Seminar on “Current Advancement in Physics”* at St. John’s College, Palayamkottai on 22<sup>nd</sup> September 2006.
2. **Synthesis and Infra Red Spectral Studies of Piperidinobenzylurea**, in *International Conference on Life Through Chemistry*, at Ponnaiyah Ramajayam College, Thanjavur on 25<sup>th</sup> and 26<sup>th</sup> February 2006.
3. **Elucidation of Structure of Piperidinobenzylurea by Proton NMR Spectral study**, in *International Conference on Spectrophysics*, at Pachaiyappa’s College, Chennai, on 9-12<sup>th</sup> February 2005.

4. **Infrared and Proton NMR Spectral Investigation on N,N<sup>1</sup>-Bis(Morpholinobenzyl)urea** in *National conference on Recent Advances in materials Science*, at Nehru Memorial College, Puthanampatti, on 11<sup>th</sup> & 12<sup>th</sup> December 2002.

#### **SEMINARS / WORKSHOPS/ SHORT COURSES ATTENDED:**

1. **Short Course on Photonics**, at Ponnaiyah Ramajayam Engineering college, Vallam, thanjavur, on 9<sup>th</sup> December 2006.
2. Workshop on “**Recent Trends in Spectroscopy**” at Ponnaiyah Ramajayam College, Thanjavur on 11<sup>th</sup> October 2004.
3. Participated in the 6 days Short-Term course on **Curriculum Decelopment, Educational Technology & Evaluation Techniques** conducted by UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, from 23-11-2015 to 28-11-2015.